**V6 - 9D TELEVISION V6 - AM** V6 - BJ **MODELS V7 - AM** V7 - BJ



# "HIS MASTER'S VOICE"

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6 PARRAMATTA ROAD HOMEBUSH, N.S.W.

## **SPECIFICATIONS**

POWER SUPPLY:

240, 250 volts, A.C., 50 Hz.

CONSUMPTION:

170 watts.

AERIAL INPUT:

300 ohms balanced.

INTERMEDIATE FREQUENCIES:

Vision Carrier: 36.875 MHz.

Sound Carrier: 31.375 MHz.

FUSES:

Mains: 1.5 amp.

H.T.: 1.5 amp.

... Mains: FS1, FS2-1.5 amp. each

H.T.: FS4-1.5 amp.

### **VALVES AND SEMI-CONDUCTORS**

VI	932-1161	6ES8—RF Amplifier	MR1	932-0971	0A90—Video Detector
V2	932-1921	6HG8—Frequency Changer	MR2	932-1071	0A210—HT Rectifier
V3	932-2331	6U9—1st IF Amplifier and	MR3	932-1071	0A210—HT Rectifier
		Blanking Clamp	MR4	932-2451	BA100—AGC Clamp
V4	932-2341	6X9—2nd IF Amplifier and	MR5	932-2081	AA119—Ratio Detector
		Noise Detector	MR6	932-2081	AA119—Ratio Detector
V5	932-2351	6Y9—Video Amplifier and	MR7	932-2451	BA100—Vertical Sync Diode
		A.G.C.	MR8		
V6	932-2411	6V9—Sync Separator	MR9	932-2961	AB1122—Phase Discriminator
V7	932-0521	6BX6—Limiter	MR10	932-2961	AB1122—Phase Discriminator
V8	932-1771	6GW8—Audio Driver and	MR11	to MR14	Not used.
		Output	*MR15	932-2191	0A610—Rectifier (Remote
V9	932-2001	6GV8—Vertical Oscillator and			Control)
		Output	*MR16	932-2191	0A610—Rectifier (Remote
V10	932-2371	6JW8—Reactance Valve and	MIKIO	752-2171	Control)
		Horizontal Oscillator			
V11	932-0531	6CM5—Horizontal Output	*MR17	932-2031	0A91—Protection Diode
V12	932-0771	1S2—E.H.T. Rectifier			
V13	932-1151	6AL3—Damper Diode		* Used or	V7 chassis only.

Part No. 683-7781 January, 1968

### CAUTION

The normal B+ voltages in these receivers are dangerous. Use extreme caution when servicing. The high voltage at the picture tube anode (17,000 volts) will give an unpleasant shock but does not supply enough current to give a fatal shock. However, secondary human reactions to otherwise harmless shocks have been known to cause injury.

Always discharge the picture tube anode to the chassis, or to its aquadag coating, before handling the tube. The picture tube is highly evacuated and, if broken, it may violently expel glass fragments. When handling the picture tube, always wear goggles.

### DISMANTLING

#### **V6 AND V7 CHASSIS**

#### TO HINGE DOWN CHASSIS

- 1. Remove back by undoing 4 screws.
- Swing chassis down.

#### TO REMOVE TUNER

- V6. 1. Pull off front control knobs Channel Selector, On/Off, Picture and Sound knobs.
  - 2. Remove screw at right side of tuner.

Tuner may be hooked to left side of main chassis by dropping tongue on tuner bracket into special slot provided. Slide tuner forward and tighten self-tapping screw.

V7. 1. Pull off front control knobs — Channel Selector, On/Off, Picture and Sound knobs.

- 2. Remove two screws holding back fibre cover.
- 3. Slacken wing nut under tuner chassis assembly.
- Unscrew captive screw at top of tuner bracket and withdraw tuner assembly.

#### TO REMOVE CHASSIS AND TUNER

- 1. Swing chassis down and remove tuner.
- 2. Fix tuner to chassis.
- 3. Unplug yoke, picture tube, speaker and EHT leads.
- 4. Raise chassis to approximately 45° and withdraw from pivot brackets.

#### TO REMOVE PICTURE TUBE

- 1. Remove chassis and tuner.
- 2. Remove four screws holding picture tube and lift out.

### **ADJUSTMENTS**

Mains Voltage. Before leaving the factory, the mains input is set to the 240-volt tap on the transformer. A 250-volts tap is also provided for use when necessary. To make the alteration, withdraw the plug and fuse on the black lead from the holder marked "240V" on the rear of the mains transformer. Remove rubber bung from "250V" fuse holder and insert the fuse and plug in this position. Insert rubber bung into "240V" socket.

**Horizontal Hold**. This is set at the factory and normally should not need further adjustment. However, after a change of components, it may be necessary to re-adjust. The procedure is as follows:

- Connect the cathodes (+) of the discriminator diodes MR9, MR10 together.
- 2. Set the horizontal hold control to midposition (cathode potential of V10 triode =  $3\frac{1}{4}V$ .).
- 3. Adjust core of L33 for correct frequency.
- Remove connection from discriminator diodes and short grid of sync amplifier, V6 triode, to earth.
- 5. Adjust discriminator balance control RV9 for correct oscillator frequency.
- 6. Remove short from sync separator.

Contrast Range. Set the "Contrast" control to the minimum contrast position. The "Picture" control should be rotated to give sufficient brightness on the screen to be able to observe a weak picture. Adjust the "Contrast Range" control so that the picture just disappears, after going out of lock. Advance the control until the picture re-appears and just locks.

**A.G.C.** The pre-set AGC control should be set, when necessary, to the weakest signal, i.e., that displaying the most "snow" or grey-to-white flecks in the picture. Adjust the control to the position which just reduces the snow to a minimum.

**Boost Voltage.** The boost voltage may be adjusted, where necessary, by means of the pre-set control adjacent to the horizontal output transformer. Access to this control is easier from the reverse side of the chassis, when it has been swung down.

Reduce the picture tube beam current to zero, by means of the "Picture" control. The voltage, measured across C114 (.047uF), should be adjusted to 510 volts, which assures optimum picture width and EHT voltage. Re-set the "Picture" control. **Note:** Do not use a meter protected with silicon diodes, as

this gives a rectifying effect and results in an incorrect reading.

Focus. The only time that focus adjustment may be necessary is after replacement of the picture tube. The focus potentiometer, which is a strip pre-set type, is located on the edge of the chassis and adjacent to the EHT rectifier socket and is accessible when the chassis is swung down. Adjust for optimum overall focus across the picture tube face.

**Linearity.** Before adjusting either vertical or horizontal linearity, the picture shift magnets should be neutralised. To do this, the two magnets should be rotated with respect to each other. The neutralised setting is such that, when the complete assembly is rotated, it has little effect on the picture position.

After adjustment has been made for best linearity, the picture may need to be recentred. The linearity should be retouched where necessary.

Vertical—The vertical linearity pre-set potentiometer, RV8, should be adjusted in conjunction with the vertical height control, for best linearity, using a pattern on the screen.

Horizontal—The horizontal linearity coil is situated adjacent to the EHT rectifier, and may be adjusted from the side of the chassis.

The slug should be adjusted for best linearity, using a pattern on the screen. Two positions of the slug provide suitable conditions, but the position in which the slug is farthest out of the coil is the correct one.

**Picture Centring.** The picture may be centred by rotating the two shift magnets on the tube neck, behind the deflection yoke. Rotate the centring magnet assembly to shift the picture in the required direction, and move one of the magnets with respect to the other, to change the strength of the field, and so the amount of picture shift.

**Picture Tilt.** If the picture is not square with the edges of the mask, loosen the clamping ring on the deflection coils and rotate the assembly until the picture is squared up. Tighten the clamping ring and, if necessary, re-centre the picture.

#### SERVICE NOTE

These receivers have a number of regulating devices, such as voltage dependent resistors and diodes, which are designed to correct departures from mean operating conditions.

In fault-tracing, a certain amount of masking of the true cause occurs and defective parts or incorrect operation may be difficult to isolate.

Servicemen are therefore advised to consider carefully any substitution of components or diagnosis of faults, before making adjustments, and so avoid unnecessary complications in repairs.

#### REMOTE CONTROL (V7 CHASSIS ONLY)

When the main on-off switch is switched to "on", the -17V rail is immediately available but the main power supply for the receiver is only connected through contact B1 when relay B is energised. Either of two parallel switches connect the coil of relay B to the -17V rail. One is the on-off switch in the remote control handpiece, and the other is the mechanical switch MSA1 which closes when the remote control plug is removed from the socket at the rear of the receiver. The contacts MSA1, 2 and 3 allow for normal operation of the receiver when the remote control plug is removed.

Two identical transformers have sufficient taps to provide a different voltage output for each channel. These voltages are selected by switches, one mounted on the rear of the tuner, and the other in the handpiece. The channel position of the tuner causes the appropriate voltage to be applied to the base of the transistor AX1104. The voltage selected by the switch in the handpiece is applied to the emitter, and if these two voltages are the same, there is no current flow in the transistor. If they are different, earthing the emitter circuit with the start button allows current to flow, energising the motor control relay RLA. The emitter remains earthed by a contact A2, and the motor continues to rotate until the base voltage selected by the tuner position is equal to the emitter voltage selected in the handpiece, when current ceases to flow in the transistor, and the relay opens. The motor driver contact MSB by-passes the transistor until the instant the motor is required to stop. At this instant the contacts open and relay current is either maintained by transistor current, or ceases. Whilst the motor is operating other relay A contacts, remove picture (contact A4) and mute the sound (A3).

Volume of the receiver may be adjusted at the remote handpiece for both local and remote speakers by variation of the sound limiter HT using the remote volume control.

Two sockets are available on the side of the remote handpiece for hearing-aid plugs. Insertion of the hearing-aid plug into SKT4 with the "local-remote" speaker switch in the remote position, removes sound from the speaker and supplies sound to the hearing-aid only. If SKT5 is used, sound is supplied to the hearing-aid and the remote speaker. A separate volume control is provided for hearing-aid adjustment; however, no hearing-aid sound will be available if the main or remote speaker volume control is turned to minimum position.

Hearing-aid sound, operating with separate control of volume, is available either with remote control or local speakers.

For the remote controls to be fully effective, the receiver sound and picture controls should

be well-advanced. If these controls are so set, removal of the remote control plug PL3 will not disturb the contrast or sound when the receiver is operating normally. All adjustments may then be made at the receiver.

# SOUND I.F. ALIGNMENT

The following equipment is necessary:

- (i) An RF Oscillator, capable of being set accurately to 5.5 MHz.
- (ii) A 20,000 ohms/volt multimeter.
- (iii) A peak-to-peak detector, as shown in Fig. 1.

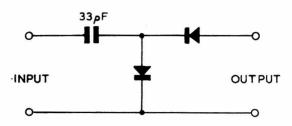


Fig. 1.—Peak-to-Peak Detector.

#### 5.5 MHz TRAP (IFT3)

IFT3 is a combined 5.5 MHz null trap and sound take-off transformer. This is set at the factory and normally should not need further adjustment.

Should it be necessary to re-tune IFT3, the following method is recommended.

(1) Inject 5.5 MHz at approximately 100

mV, between the junction of L29 and MR1, and earth.

- (2) Connect the input of the peak-to-peak detector to the CRT cathode, pin 7. Connect the output of the peak-to-peak detector to a multimeter, set to a low DC voltage range.
- (3) Remove both cores from former. Screw in primary core (furthest from chassis) to give a minimum reading.
- (4) Screw in secondary core until meter reading rises slightly, and then adjust primary core until a new minimum is obtained.
- (5) Repeat adjustment of primary and secondary until meter reads zero.

#### RATIO DETECTOR TRANSFORMER (IFT4)

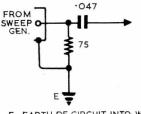
Connect the 5.5 MHz oscillator as in (1) above. Connect the multimeter between the junction of R72 and R73 and earth. Adjust the secondary core (nearest chassis) so that a positive or negative reading is obtained. Adjust the primary so that this reading shows a maximum. Then adjust the secondary for zero reading. This adjustment may also be done by using an off-air signal.

# VISION I.F. ALIGNMENT

The following equipment is necessary:

- (i) A sweep generator, covering the range 28 to 40 MHz.
- (ii) A marker generator, covering the same range.
- (iii) A C.R.O.

These instruments should be interconnected as described in the instructions supplied with the sweep generator. This generator should be terminated with a resistor equal to the output impedance, and connected to the receiver as shown in Fig. 2.



E-EARTH OF CIRCUIT INTO WHICH SIGNAL IS BEING INJECTED.

Fig. 2.

Because of the high gain of the receivers, care should be taken to ensure that all components replaced are on short leads and placed in exactly the same position as the original part.

Care must also be taken to avoid feedback in interconnecting leads of the alignment equipment.

NOTE (1): Throughout the alignment, the display should be adjusted so that the response is accurately set between the reference level and the base line, from a signal of about 2 volts peak-to-peak. The output of the IF strip should be maintained at that level by varying the output from the sweep generator and not the gain of the display unit.

NOTE (2): Coupling between stages will not require adjusting, unless either IFT1 or IFT2 has been replaced.

NOTE (3): Cores in L21, L22, L24, L27, IFT1 and IFT2 are set in the position furthest from the chassis.

Cores in L20, L23 and L26 are set in the position nearest the chassis

#### OPERATION 1.

- (a) Connect a bias supply of 9 volts across the IF AGC smoothing capacitor C55.
- (b) Connect the display unit across C43.
- (c) Remove cores from L21, L24 and L27.

#### OPERATION 2.

(a) Using the termination network as shown in Fig. 2, connect sweep output between pin 3 of V4 and earth.

- (b) Adjust the cores of L26 and IFT2 to obtain the response of Fig. 3, Stage 1.
- (c) If IFT2 has been replaced, it will be necessary to adjust the coupling, by closing the spacing of the two windings of IFT2, until the desired bandwidth is achieved.
- (d) If a dip appears in the response, remove it by adjusting the core of L23

#### OPERATION 3

- (a) Remove the sweep from V4 and connect between pin 3 of V3, and earth.
- (b) Adjust the cores of L23 and IFT1 to obtain the response of Fig. 3, Stage 2.
- (c) If a dip appears in the response, remove it by adjusting the tuner IF core.
- (d) If IFT1 has been replaced, it will be necessary to adjust the coupling, by closing the spacing of the two windings of IFT2, until the desired bandwidth is achieved.

#### OPERATION 4.

- (a) Remove the sweep from V3 and connect it to the IF test point on tuner, located adjacent to V2. Switch tuner to the position between Channel 11 and 0.
- (b) Adjust the core in L11 (IF output coil,

adjacent to V2) and L20, to obtain the response of Fig. 3, Stage 3.

#### OPERATION 5.

- (a) Insert a core in L24 and adjust to a minimum at 38.375 MHz. If necessary, adjust the spacing between L23 and L24, to ensure that the response at 38.375 MHz is at least 50 dB below peak response. To measure this, increase the sweep generator output by 30 dB. Re-set the base line with the vertical shift control if necessary, and the 20 dB will represent the 50 dB point required below the reference level.
- (b) Adjust the core in L22 to read a minimum at 29.875 MHz.
- (c) Insert a core in L27 and adjust until a small plateau appears in the response at 32.8 MHz.
- (d) Insert a core in L21 and adjust the tuning and, if necessary, the spacing between L21 and L20, so that the response at 31.375 MHz is 22 dB below peak response, Fig. 3, Stage 4.
- (e) Remove the bias supply and check that the response curve remains substantially unchanged.
- (f) Seal the coils of L21, L24 and L27 with

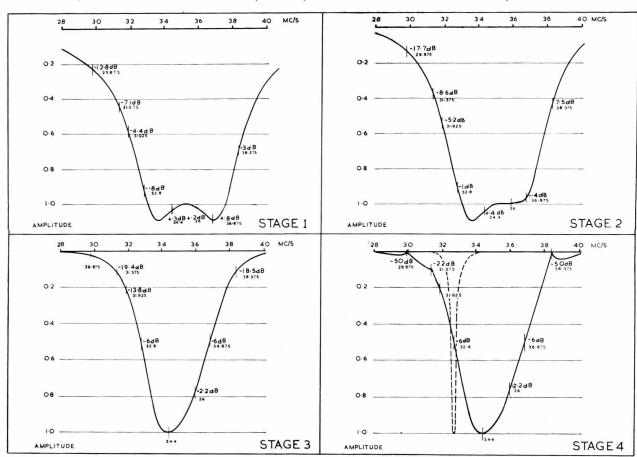


Fig. 3
I.F. ALIGNMENT CURVES

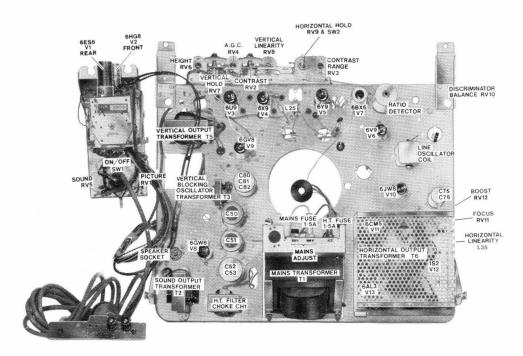
a light application of cellulose adhesive.

NOTE: The noise detector response as shown dotted in Fig. 3, Stage 4, automatically should be correct. However, if it is desired to check it, the following procedure should be adopted:

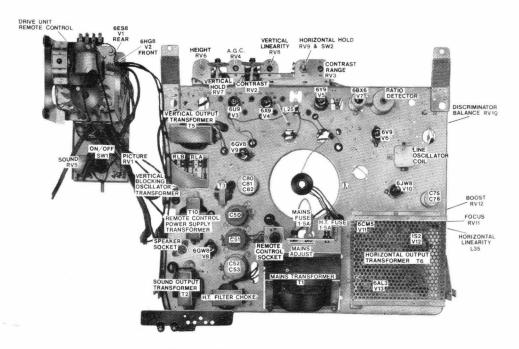
Leave the sweep connected as in Operation

4. Disconnect the display from across C43 and connect it between the junction of R61 and C57, and earth. Remove V5 and V6 from their sockets. The response as shown dotted in Fig. 3, Stage 4, should be obtained. If the level is not the same as the IF

If the level is not the same as the IF response curve, the coupling between L26 and L27 should be adjusted until this is obtained.



BACK VIEW - V6 CHASSIS



BACK VIEW - V7 CHASSIS

- † Used on V6 Chassis only. \* Used on V7 Chassis only.

REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
		RESISTORS	RESISTORS (continued		
R20	740-0032	$2.2K \pm 10\% \frac{1}{2}W$	R69	740-0612	$10K \pm 20\% \frac{1}{2}W$
R21	750-0932	$2.2K \pm 10\% 4W$	*R70	749-0052	$47K \pm 20\% 2W$
R22	750-0662	$3.9K \pm 10\% 4W$	†R70a	742-0372	$22K \pm 20\% 1W$
R23	742-1142	$2.7K \pm 20\% 1W$	*R71	740-0742	$2.2K \pm 20\% \frac{1}{2}W$
R24	740-0983	22 ohms $\pm 10\% \frac{1}{2}W$	R72	740-0112	$27K \pm 10\% \frac{1}{2}W$
	, 10 0,00	Morganite	R73	740-0112	$27K \pm 10\% \frac{1}{2}W$
R25	740-0653	100 ohms ± 10% ½W	R74	740-0112	$47K \pm 10\% \frac{1}{2}W$
1125	740-0055		R75	740-0612	
R26	742-0712	Morganite			$10K \pm 20\% \frac{1}{2}W$
		$2.2K \pm 20\% 1W$	R76	740-0612	$10K \pm 20\% \frac{1}{2}W$
R27	740-0592	$22K \pm 20\% \frac{1}{2}W$	R77	740-0702	$56K \pm 10\% \frac{1}{2}W$
R28	740-0412	820 ohms $\pm 10\% \frac{1}{2}W$	R78	742-0452	$220K \pm 20\% 1W$
R29	740-0442	$120 \text{ ohms } \pm 10\% \frac{1}{2}W$	R79	740-0252	$1.5K \pm 10\% \frac{1}{2}W$
R30	740-0822	$33K \pm 20\% \frac{1}{2}W$	R80	740-0292	270 ohms $\pm 10\% \frac{1}{2}W$
R31	740-0792	$8.2K \pm 10\% \frac{1}{2}W$	R81	740-0512	$100K \pm 20\% \frac{1}{2}W$
R32	750-0362	$2.7K \pm 10\% 4W$	R82	740-0512	$100K \pm 20\% \frac{1}{2}W$
R33	742-1012	$3.3K \pm 20\% 1W$	R83	742-0802	$4.7K \pm 20\% 1W$
R34	740-0532	$1M \pm 20\% \frac{1}{2}W$	R84	740-0442	120 ohms $\pm 10\% \frac{1}{2}W$
R35	740-0862	$18K \pm 10\% \frac{1}{2}W$	R85	740-0062	$3.9K \pm 10\% \frac{1}{2}W$
R36	740-0042	$2.7K \pm 10\% \pm 10\%$	R86	750-0662	$3.9K \pm 10\% 4W$
R37	740-0572	$1K \pm 20\% \pm W$	R87	742-0342	330K $\pm$ 20% 1W
R38	Part of	TK ± 20 % 2 VV	C POST AL		
1,30		0.71/ . 100/ 11// 5	R88	742-1092	$3.3M \pm 20\% 1W$
	259-1262	$2.7K \pm 10\%$ 1W. Former for	R89	742-0142	$270K \pm 10\% 1W$
		Equalising Coil	R90	742-1122	$750K \pm 5\% 1W$
R39	750-0702	$2.7K \pm 5\% 7W$	R91	740-1422	$4.7K \pm 20\% \frac{1}{2}W$
R40	740-0922	330 ohms $\pm 10\% \frac{1}{2}W$	R92	742-0823	270 ohms $\pm$ 10% 1W
R41	740-0582	$47K \pm 20\% \frac{1}{2}W$	R93	742-0592	$2.2M \pm 20\% 1W$
R42	740-0773	39 ohms $\pm 10\% \frac{1}{2}W$	R94	740-0202	$2.2M \pm 10\% \frac{1}{2}W$
'R43	742-0642	$180K \pm 10\% 1W$	R95	740-0582	$47K \pm 20\% \frac{1}{2}W$
R43a	740-0362	$390K \pm 10\% \frac{1}{2}W$	R96	740-0232	$39K \pm 10\% \frac{1}{2}W$
R44	740-0622	470K = 20% ½W	R97	740-0032	$2.2K \pm 10\% \frac{1}{2}W$
R45	740-0272	150 ohms ± 10% ½W BTS	R98	740-0822	$33K \pm 20\% \frac{1}{2}W$
R46	740-0272	$150 \text{ ohms} \pm 10\% \frac{1}{2} \text{W BTS}$	R99	740-0822	$33K \pm 20\% \frac{1}{2}W$
R47	750-0682	300 ohms $\pm 10\%$ 5W	R100	742-0002	1K ± 10% 1W
R48	740-0722	$1.5M \pm 10\% \frac{1}{2}W$	R101	742-0002	1K ± 10% 1W
R49	740-0532	$1M \pm 20\% \frac{1}{2}W$	R102	740-1243	6.8 ohms $\pm 10\% \frac{1}{2}W$
R50	740-0212	$3.3M \pm 10\% \frac{1}{2}W$	R103	740-1243	6.8 ohms $\pm 10\% \frac{1}{2}W$
R50a	742-0892	$2.2M \pm 10\% 1W$	R104	740-0132	$82K \pm 10\% \frac{1}{2}W$
R51	742-0192	$1M \pm 10\% 1W$	R105	742-0352	$1M \pm 20\% 1W$
R52	742-0732	$1.8M \pm 10\% 1W$	R106	742-0402	$150K \pm 20\% 1W$
R53	740-0702	56K ± 10% ½W	R107	740-0322	$1.2K \pm 10\% \frac{1}{2}W$
R54	740-0142	$100K \pm 10\% \frac{1}{2}W$	R108	742-0492	$68K \pm 10\% 1W$
R55	740-0872	120K ± 10% ½W	R109	740-0732	$12K \pm 10\% \frac{1}{2}W$
R56	740-0122	$47K \pm 10\% \frac{1}{2}W$	R110	740-0752	$68K \pm 10\% \frac{1}{2}W$
R57	740-0232	39K ± 10% ½W	R111	740-0102	22K ± 10% ½W
R58	742-0192	$1M \pm 10\% 1W$	R112	740-0102	$22K \pm 10\% \frac{1}{2}W$
R59	742-0172	27K ± 10% 1W	R113	740-0392	820 ohms $\pm 10\% \frac{1}{2}W$
R60	740-0773	39 ohms $\pm 10\% \frac{1}{2}W$			
			R114	740-0822	$33K \pm 20\% \frac{1}{2}W$
R61	742-0592	2.2M ± 20% 1W	R115	740-0852	$560K \pm 10\% \frac{1}{2}W$
R62	742-0392	47K ± 20% 1W	R116	740-0852	$560K \pm 10\% \frac{1}{2}W$
R63	740-0812	$3.3K \pm 20\% \frac{1}{2}W$	R117	742-0052	$22K \pm 10\% 1W$
R64	742-0352	1M ± 20% 1W	R118	742-0052	$22K \pm 10\% 1W$
R65	742-0332	15K ± 20% 1W	R119	740-0382	$6.8K \pm 10\% \frac{1}{2}W$
R66	740-0512	100K ± 20% ½W	R120	740-0102	$22K \pm 10\% \frac{1}{2}W$
R67	742-0372	22K ± 20% 1W	R121	742-0062	$27K \pm 10\% 1W$
			A0.336 - 3		

- † Used on V6 Chassis only.
- \* Used on V7 Chassis only.

REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
RESISTORS (continued			CAPACITORS (continued)		
R123	742-0172	470K ± 10% 1W	C45	271-0311	$27pF \pm 5\%$ NPO Tube 'A'
R124	740-0242	$33K \pm 10\% \frac{1}{2}W$	C46	283-1741	$0.1 \mathrm{uF} \pm 10\%$ 400V Polyester
R125	740-0242	$33K \pm 10\% \frac{1}{2}W$	*C47	283-1361	$1uF \pm 10\%$ 160V Polyester
R126	750-0362	$2.7K \pm 10\% PW5$	†C47a	269-0941	8uF 100VW Electro
R127	740-0572	$1K \pm 20\% \frac{1}{2}W$	*C48	271-0911	.003uF GMV 500V CTR
R128	742-0352	$1M \pm 20\% 1W$	C49	283-1701	$.047 \mathrm{uF} \pm 10\%$ 400V Polyester
R129	742-0352	$1M \pm 20\% 1W$	C50	269-0521	100uF 150VW Electro
R130	742-0562	$470K \pm 20\% 1W$	C51	269-0521	100uF 150VW Electro
R131	742-0562	$470K \pm 20\% 1W$	C52)	269-0901	(200uF 275V Electro
R132	742-0562	$470K \pm 20\% 1W$	C53	269-0901	) 60uF 275V Electro
R133	742-0402	$150K \pm 20\% 1W$	C54 <sup>2</sup>	279-0561	$^{\circ}$ .5uF $\pm$ 25% 200V Hunts
R134	742-0102	$82K \pm 10\% 1W$	C55	283-1121	.01uF $\pm$ 10% 160V Polyester
R135	742-0102	$82K \pm 10\% 1W$	C56	283-1121	.01uF ± 10% 160V Polyester
R136	742-1092	$3.3M \pm 20\% 1W$	C57	283-1621	.01uF $\pm$ 10% 400V Polyester
*R137	742-0402	$150K \pm 20\% 1W$	C58	280-1791	$220 pF \pm 10\% 600 V$ Styroseal
R138	750-0602	22 ohms $\pm$ 10% PW5	C59	271-0571	$22pF \pm 10\%$ NPO Tube
R139	740-1043	27 ohms $\pm 10\% \frac{1}{2}W$	C60	271-0941	$8.2pF \pm \frac{1}{2}pF$ Disc NPO
R140	740-0502	$15K \pm 20\% \frac{1}{2}W$	C61	271-0591	.0027uF $\pm$ 20% Disc K2000
R141	961-0921	0.5 ohms Resistance Wire	*C62	271-0911	.003uF GMV 500V CTR
R142	to R151	Not used	C63	270-0601	10pF ± 5% Ceramic
*R152	740-0653	$100 \text{ ohms} \pm 10\% \frac{1}{2}W$	C64	271-0771	$100 pF \pm 5\%$ NPO Disc
*R153	740-0092	$15K \pm 10\% \frac{1}{2}W$	C65	280-1501	$100 \mathrm{pF}  \pm  5  \% $ 600V Styroseal
*R154	740-0262	560 ohms $\pm 10\% \frac{1}{2}W$	C66	280-1501	100pF ± 5% 600V Styroseal
*R155	740-0612	$10K \pm 20\% \frac{1}{2}W$	C67	269-0781	4uF 25V Electro
*R156	742-0112	$100K \pm 10\% 1W$	C68	283-5581	$.0047 \mathrm{uF} \pm 10\% 50 \mathrm{V}$ Polyester
*R160	749-0362	150 ohms $\pm$ 10% 2W	C69	283-1501	.001uF $\pm$ 10% 400V Polyester
		S - (1000000) (7 kg	C70	283-5621	.01uF ± 10% 50V Polyester
	C	APACITORS	C71	269-1171	25uF 6.4VW Electro
C20	271-1721	39pF ± 5% N330 Disc	C72	283-1701	$.047 uF \pm 10\% 50V$ Polyester
C21	273-0591	$68pF \pm 2\frac{1}{2}\%$ Simplex Type MS	C73	271-1061	$15 pF \pm 10\%$ Tube N330
C22	271-0911	.003uF GMV 500V CTR	C74	269-1331	50uF 10VW Electro
C23	271-0911	.003uF GMV 500V CTR	C75)	2/0 11/1	8uF 250VW Electro
C24	271-0911	.003uF GMV 500V CTR	C75(	269-1161	16uF 250VW Electro
C25	271-0911	.003uF GMV 500V CTR	C77	271-0911	`.003uF 500V Tube
C26	271-0621	.001uF Lead 'Thru' CAC 107	C78	269-1261	2uF 350VW Electro
C27	271-0351	$33pF \pm 5\%$ NPO Tube	C79	283-1721	.068uF ± 10% 400V Polyester
C28	271-0281	.022uF GMV 100V Disc	C80)		50uF 300V Electro
C29	271-0731	.047uF +80% —20% 25V	C81	269-0981	24uF 300V Electro
CZ	271 0701	Redcap	C82		100uF 25V Electro
C30	273-0591	68pF ± 2½% Simplex Type MS	C83 <sup>2</sup>	283-1721	.068uF ± 10% 400V Polyester
C31	271-0591	$.0027 \text{uF} \pm 20\% \text{ Disc K} 2000$	C84	283-1701	.047uF ± 10% 400V Polyester
C32	271-1221	82pF Lead 'Thru' CAC 106	C85	283-1261	$.15 \mathrm{uF} \pm 10\%  160 \mathrm{V}$ Polyester
C33	271-1271	$.001$ uF $\pm 20\%$ Disc	C86	271-1271	.001uF $\pm$ 20% Disc
C34	269-1041	10uF 6V Electro	C87	271-1271	.001uF $\pm$ 20% Disc
C35	271-0911	.003uF GMV 500V CTR	C88	271-1271	.001uF $\pm$ 20% Disc
C36	273-0591	68pF ± 2½% Simplex Type MS	C89	283-1581	$.0047 \mathrm{uF} \pm 10\%400 \mathrm{V}$
C37	271-0281	.022uF GMV 100V Disc			Polyester
C38	271-0591	$.0027 \text{uF} \pm 20\% \text{ Disc K2000}$	C90	283-1661	.022uF ± 10% 400V Polyester
C39	283-1661	.022uF ± 10% 400V Polyester	C91	271-1371	22pF ± 20% N330 Disc
C40	271-0941	8.2pF ± ½pF Disc NPO	C92	280-2041	220pF ± 20% 600V Styroseal
C41	271-0941	8.2pF $\pm \frac{1}{2}$ pF Disc NPO	C93	283-1361	$1 \text{uF} \pm 10\% \text{ 160V Polyester}$
C42	271-0621	.001uF Lead 'Thru' CAC 107	C94	283-1361	$.015$ uF $\pm$ 10% 160V Polyester
C42	271-1061	15pF ± 10% Tube N330	C95	283-1141	$.047$ uF $\pm$ 10% 160V Polyester
C44	271-1061	$2.2 \text{uF} \pm \frac{10\%}{4} \text{ pF NPO Bead}$	C95	280-3241	$330 \text{pF} \pm 20\%$ 125V Styroseal
C-7-4	2/1-0221	Z.Zdi _ 4 pi 14FO bedd	C70	200-3241	330pi = 20 /0 123 v Styrosedi

- † Used on V6 Chassis only. \* Used on V7 Chassis only.

C97 283 C98 280 C99 283 C100 283 C101 280 C102 271 C103 280 C104 280 C105 271 C106 283 C107 283 C108 279 C109 271 C110 284 C111 271 C112 284 C111 271 C112 284 C113 284 C114 284 C115 C116 271 C118 271 C119 283 C120 283 C121 271 C119 283 C120 283 C121 271 C119 283 C120 283 C121 271 C118 271 C119 283 C120 283 C121 271 C118 271 C119 283 C120 283 C121 271 C122 to C13 *C138 271 *C140 269 *C141 269 *C142 269 *C142 269 *C142 269 *C142 677 RV2 677 RV3 677 RV4 677 RV5 677	33-5741 30-3351 33-5601 33-5601 30-3351 71-0571 30-1101				
C97 283 C98 280 C99 283 C100 283 C101 280 C102 271 C103 280 C104 280 C105 271 C106 283 C107 283 C108 279 C109 271 C110 284 C111 271 C112 284 C111 271 C112 284 C113 284 C114 284 C115 C116 271 C118 271 C119 283 C120 283 C121 271 C119 283 C120 283 C121 271 C119 283 C120 283 C121 271 C118 271 C119 283 C120 283 C121 271 C118 271 C119 283 C120 283 C121 271 C122 to C13 *C138 271 *C140 269 *C141 269 *C142 269 *C142 269 *C142 269 *C142 677 RV2 677 RV3 677 RV4 677 RV5 677	33-5741 30-3351 33-5601 33-5601 30-3351 71-0571 30-1101	$1-5741$ .1uF $\pm$ 10% 50V Polyester		POTENTIO	OMETERS (continued)
C99 283 C100 283 C101 280 C102 271 C103 280 C104 280 C105 271 C106 283 C107 283 C108 279 C109 271 C110 284 C111 271 C112 284 C111 271 C112 284 C113 284 C114 284 C115 C116 271 C117 271 C118 271 C118 271 C119 283 C120 283 C120 283 C121 271 C122 to C13 *C138 271 *C139 271 *C139 271 *C140 269 *C141 269 *C141 269 *C142 269  RV1 677 RV2 677 RV3 677 RV4 677 RV4 677 RV5 677	33-5601 33-5601 30-3351 71-0571 30-1101		*RV14	677-0971	1.5K Curve 'F'—Hearing-Aid
C100 283: C101 280: C102 271: C103 280: C104 280: C105 271: C106 283: C107 283: C108 279: C109 271: C110 284: C111 271: C112 284: C113 284: C114 284: C115 C116 271: C117 271: C118 271: C118 271: C119 283: C120 283: C120 283: C120 283: C121 271: C122 to C13: *C138 271: *C139 271: *C140 269: *C141 269: *C142 269: RV1 677- RV2 677- RV3 677- RV4 677- RV4 677- RV5 677-	33-5601 80-3351 71-0571 80-1101	$-3351$ 47pF $\pm$ 20% 600V Styroseal			Sound
C101 280- C102 271- C103 280- C104 280- C105 271- C106 283- C107 283- C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV4 677- RV5 677-	30-3351 71-0571 30-1101	$.0068 \mathrm{uF} \pm 10\%$ 50V Polyester	*RV15	677-1011	250K Curve 'G'-Remote con-
C102 271- C103 280- C104 280- C105 271- C106 283- C107 283- C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C118 271- C119 283- C120 283- C121 271- C122 to C13 *C138 271- *C140 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV3 677- RV4 677- RV5 677-	71-0571 80-1101 80-1091	$-5601$ .0068uF $\pm$ 10% 50V Polyester			trol Contrast
C103 280.  C104 280.  C105 271.  C106 283.  C107 283.  C108 279.  C109 271.  C110 284.  C111 271.  C112 284.  C113 284.  C114 284.  C115 C116 271.  C117 271.  C118 271.  C119 283.  C120 283.  C120 283.  C120 283.  C121 271.  C122 to C13  *C138 271.  *C140 269.  *C141 269.  *C142 269.  RV1 677.  RV2 677.  RV3 677.  RV4 677.  RV4 677.  RV4 677.  RV5 677.	0-1101 0-1091	0-3351 47pF ± 20% 630V Styroseal	*RV16	677-1191	250K Curve 'F'-Remote con-
C104 280-2 C105 271- C106 283-2 C107 283-2 C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	0-1091	-0571 $22pF \pm 10\%$ NPO Tube			trol sound
C105 271- C106 283- C107 283- C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C				VALVES	AND TRANSISTORS
C105 271- C106 283- C107 283- C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C		Styroseal	V1	932-1161	6ES8—RF Amplifier
C106 283: C107 283: C108 279: C109 271: C110 284: C111 271: C112 284: C113 284: C114 284: C115 C116 271: C117 271: C118 271: C119 283: C120 283: C120 283: C121 271: C122 to C13 *C138 271: *C139 271: *C140 269: *C141 269: *C142 269: RV1 677: RV2 677: RV3 677: RV4 677: RV4 677- RV5 677-			V2	932-1921	6HG8—Frequency Changer
C106 283: C107 283: C108 279: C109 271: C110 284: C111 271: C112 284: C113 284: C114 284: C115 C116 271: C117 271: C118 271: C119 283: C120 283: C120 283: C121 271: C122 to C13 *C138 271: *C139 271: *C140 269: *C141 269: *C142 269: RV1 677: RV2 677: RV3 677: RV4 677: RV4 677- RV5 677-		Styroseal	V3	932-2331	6U9—1st IF Amplifier and
C107 2833  C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV4 677- RV5 677-	1-1241		, ,	752-2551	Blanking Clamp
C108 279- C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	3-1501		V4	932-2341	6X9—2nd IF Amplifier and
C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	3-1581			752-2541	Noise Detector
C109 271- C110 284- C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-		Polyester	V5	932-2351	6Y9—Video Amplifier and
C110 284 C111 271 C112 284 C113 284 C114 284 C115 C116 271 C117 271 C118 271 C119 283 C120 283 C120 283 C121 271 C122 to C13 *C138 271 *C139 271 *C140 269 *C141 269 *C142 269  RV1 677 RV2 677 RV3 677 RV4 677 RV5 677	9-0561		, ,	702-2001	A.G.C.
C111 271- C112 284- C113 284- C114 284- C115 C116 271- C117 271- C118 271- C119 283- C120 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0911		V6	932-2411	6V9—Sync Separator
C112 284 C113 284 C114 284 C115 C116 271 C117 271 C118 271 C119 283 C120 283 C120 283 C121 271 C122 to C13 *C138 271 *C140 269 *C141 269 *C142 269  RV1 677 RV2 677 RV3 677 RV4 677 RV5 677	4-0661	the state of the s	V7	932-0521	6BX6—Limiter
C113 284 C114 284 C115 C116 271 C117 271 C118 271 C119 283 C120 283 C120 271 C122 to C13 *C138 271 *C139 271 *C140 269 *C141 269 *C142 269 RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0991	and the second s	V8	932-1771	6GW8—Audio Driver and
C114 284 C115 C116 271 C117 271 C118 271 C119 283 C120 283 C121 271 C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	4-1281		'	752-1771	Output
C115 C116 271- C117 271- C118 271- C119 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	4-2701	TO THE PARTY OF TH	V9	932-2001	6GV8—Vertical Blocking
C116 271- C117 271- C118 271- C119 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	4-2701	77		752-2001	Oscillator and Output
C117 271- C118 271- C119 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-		68pF 3KV Tube (Ex MSP)	V10	932-2371	6JW8—Reactance Valve and
C118 271- C119 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0911		, , ,	702 2071	Horizontal Oscillator
C119 283- C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0911		V11	932-0531	6CM5—Horizontal Output
C120 283- C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0911		V12	932-0331	1S2—EHT Rectifier
C121 271- C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	3-1701	Control of the contro	V13	932-1151	6AL3—Damper Diode
C122 to C13 *C138 271- *C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	3-1771		, , , ,	932-2651	AX1104
*C138 271- *C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-1251			702-2031	7,771104
*C139 271- *C140 269- *C141 269- *C142 269-  RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-					DIODES
*C140 269- *C141 269- *C142 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0781		MR1	932-0971	OA90—Video Detector
*C141 269- *C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	1-0781		MR2	932-1071	OA210—HT Rectifier
*C142 269- RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	9-1091		MR3	932-1071	OA210—HT Rectifier
RV1 677- RV2 677- RV3 677- RV4 677- RV5 677-	9-1091		MR4	932-2451	BA100—AGC Clamp
RV2 677- RV3 677- RV4 677- RV5 677-	9-1091	-1091 10uF 50VW Electro	MR5)	932-2081	(AA119—Ratio Detector
RV2 677- RV3 677- RV4 677- RV5 677-	POTI	POTENTIOMETERS	MR6	932-2001	(Matched Pair)
RV2 677- RV3 677- RV4 677- RV5 677-			MR7	932-2451	BA100—Vertical Sync Diode
RV3 677- RV4 677- RV5 677-			MR8	Not used	
RV4 677- RV5 677-			MR9	932-2691	AB1122—Phase Discriminator
RV5 677-	7-01/2		MR10	932-2961	AB1122—Phase Discriminator
RV5 677-	7 0010	Range	MR11	to MR14	Not used
	7-0912 7-1721	A STATE OF THE STA	*MR15	932-2191	OA610—Rectifier (Remote
RV6 677-	7-1721	Sound	*MR16	932-2191	Control)
	7-0341	-0341 250K ohms Curve 'A'—Height	1411/10	132-2171	OA610—Rectifier (Remote Control)
RV7 677-	7-1103		*MR17	932-2031	OA91—Protection Diode
RV8 677-	7-0511	-0511 10K ohms Curve 'A'—Vertical Linearity	L20)		COILS (Coil—IF Input
RV9 677-	7-1651		L21(	259-1461	)31.375 MHz Trap
		Hold	L22	259-1491	29.875 MHz Trap
RV10 677-	7-1122		L23)		(Coil—1st IF Anode
		Balance	L24	259-1471	38.375 MHz Trap
RV11 677-	7-0891	(3) (2) (3) (3) (3) (4)	L25	259-1432	Coil—Filter Choke
	7-0911		L26)		Coil —2nd IF Anode
RV13 Not u			L27	259-1481	32.8 MHz Trap

- † Used on V6 Chassis only. \* Used on V7 Chassis only.

REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION	
	COILS (continued)			MISCELLANEOUS (continued)		
L28	-	Not used	Yoke	259-1581	MSP Coil Deflector 43663A	
L29	259-0956	Coil—Grid Peaking Choke	CRT	932-2642	25TP4 Kimcode	
L30)	259-1262	Coil—Equalising		794-1581	Scale Indicator	
L31	239-1202	Coll—Equalising		526-4463	Mains Lead	
L32	908-0802	Coil—Video Peaking	*RLA	735-0041	Relay—300 ohms coil, 4-pole,	
L33	259-1543	Coil—Horizontal Oscillator			normally open	
L34 )	259-0045	(Coil—Anti Parasitic	*RLB	735-0051	Relay-600 ohms coil, 4-pole	
L34a	239-0043	Coil—Anti Parasitic			normally open	
L35 ´	259-1252	Coil—Linearity	*MSA-1	)	On-Off Control/Speaker Control	
		* \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		855-0651	Contrast Control. Leaf Switch	
		ANSFORMERS	*MSA-3	3	operated by rem. control plug.	
Τl	904-0451	Transformer—Power	*MSB	855-0481	Switch, Muting (Cam operated)	
T2	905-0621	Transformer—Sound Output	*SB	855-0531	Switch-Wafer, 1-pole, 14	
Т3	908-0781	Transformer—Blocking			positions	
		Oscillator	*SC	855-0441	Switch—Local/Remote Speaker	
T4	908-0743	Transformer—Vertical	*SD	855-0441	Switch—On/Off	
		Feedback	*SE	855-0451	Switch—Channel Selector	
T5	905-0602	Transformer—Vertical Output	*	577-0152	Motor 240V	
T6	908-0771	Transformer—Horizontal	*	577-0162	Motor-plus Driving Dog	
		Output	*	306-0111	Coupling—Driving Dog	
T7 to	T9	Not used	*	306-0101	Coupling—Driven Dog	
*T10	904-0551	Transformer—Power (Remote Control)	*	837-0531	Spindle—Driven Dog and Pinion Mounting	
*T11	908-0571	Transformer—Indexing	*	447-0051	Pinion	
*T12	908-0571	Transformer—Indexing	*	664-1732	Rear Bearing Plate Assembly—	
IFT1	906-0591	IF Transformer—Vision			plate with bearings, driven	
IFT2	906-0711	IF Transformer—Vision			dog, pinion and spindle	
IFT3	906-0721	IF Transformer—Sound and	*	447-0061	Gear—Idler	
		5.5 MHz Trap	*	447-0071	Gear—Crank Driving	
IFT4	906-0324	Transformer—Ratio Detector	*	654-0623	Crank with Pin	
			*	263-0051	Collar—Crank Pin	
	MIS	CELLANEOUS	*	244-0811	Circlip—SCO 1916 Crank Pin	
CHI	232-0351	HT Choke			Collar Retaining	
VDR1	750-0711	Voltage Dependent Resistor-	*	954-0271	Geneva Wheel Assembly	
		E299DC/P342	*	244-0771	Circlip — SCO 1960/17/0 —	
VDR2	750-0691	Voltage Dependent Resistor-		244-0771	Geneva Wheel Assembly Re-	
		E298ED/A262—Violet Spot			taining	
VDR3	750-0571	Voltage Dependent Resistor—	*			
		E298ZZ/06—Black end	*	664-1801	Front Bearing Plate Assembly	
		Blue Spot	*	306-0131	Coupling Tuner—Driving	
VDR4	750-0761	Voltage Dependent Resistor-	*	306-0121	Coupling Tuner—Driven	
		E299DE/P354	*	263-0061	Collar—Driven Tuner Coupling	
FS1	431-0081	Fuse—1.5 amp.) Mains	*SKT3	824-1201	Socket—Remote Control	
FS2	431-0081	Fuse—1.5 amp.		DEMOTE CO	ONTROL HAMBRIEGE	
FS3		Fuse—Heater Line, B26SWG—			ONTROL HANDPIECE	
		Tinned Copper Wire	*	190-2492	Cabinet—Front	
FS4	431-0081	Fuse—1.5 amp., HT Secondary	*	190-2502	Cabinet—Back	
	160-0152	Tuner—Mounting Bush	*	244-0491	Circlip—ASCO/8169/17/0	
Tuner	224-2031	Tuner—Philips NT3014	*	814-0961	Captive 4BA Screw held by	
or	224-2291	Tuner—Philips NT3016			244-0471	
SW1	855-0821	DP Rotary On/Off Switch-	*	794-1301	Scale—Channel Indicator	
		Mains	*	664-1701	Plate—Scale Backing	
Lamp	932-1941	6.3V 0.25A Bayonet Cap Lamp	*	372-0181	Disc—Channel Indicator	
Lump						
Lump	824-0961	Lamp Socket	*	517-1632	Knob—Pre-selector	

Parts are common to both chassis except where indicated.

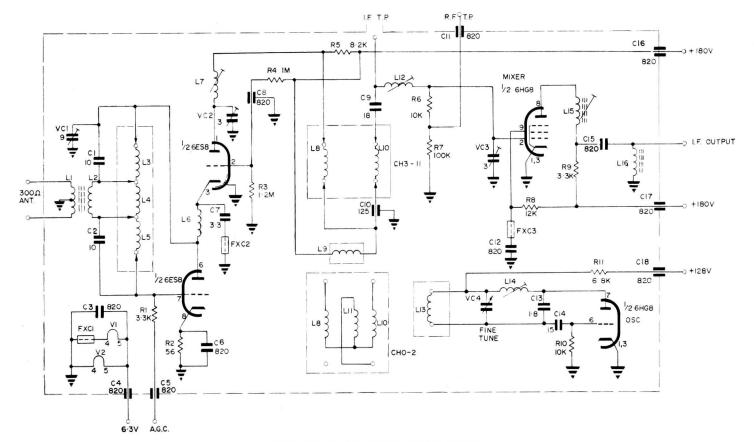
- † Used on V6 Chassis only.
- \* Used on V7 Chassis only.

REF.	PART NO.	DESCRIPTION	REF.	PART NO.	DESCRIPTION
REA	MOTE CONT	TROL HANDPIECE (cont.)	~		AM, V7-AM (continued)
*	517-1642	Knob—Channel Selector		403-3651	Escutcheon—Channel Indicator
*	517-1891	Knob		517-2551	Knob—Channel Selector
*	794-1261	Scale—Hearing-Aid Volume		517-2332	Knob—Fine Tuning
*	794-1271	Scale—Picture		517-2891	Knob—Front Controls
*	794-1281	Scale—Sound	*	518-5491	Remote Control Handpiece
*	453-1291	Speaker Grille			(complete)
*	661-0221	Grille—Backing Strip		561-1991	Medallion—"Windsor"
*	831-1391	Speaker—2" MSP, type 2HB,		561-1981	Medallion—Inlay
		15 ohms, with lead and plug		561-1431	Medallion—Trade Mark
*	852-0223	Handset Support	*	561-1052	Medallion—"Automatic"
*	770-0361	Anti-skid Rubber Balls		831-2711	Speaker—15 ohms, VC1, 8"
*	961-0761	9-Core Beige Cable	CAB	INET DIMEN	NSIONS — V6-AM, V7-AM
*	826-0002	Sleeve		Height	30''
*	668-0581	Plug, 9-pin, XLM9/UTP1		Depth	17''
*	294-0971	Cover, 9-Pin Plug, 10B		Width	30¼"
*PLP	932-1791	Lamp, 12V, 2W, Philips 12829	Weight	tV6-AM:	
	SPARE PAR	TS — MODEL V6-9D	†	Gross	139 lbs.
	192-3481	Cabinet—Maple	†	Nett	121 lbs.
	192-3491	Cabinet—Walnut	Weight	V7-AM:	
	192-3501	Cabinet—Teak	*	Gross	144 lbs.
	539-0241	Leg—10" Maple	*	Nett	126 lbs.
	539-0251	Leg—10 Maple Leg—10" Walnut		MODE	LS V6-BJ, V7-BJ
	539-0261	Leg—10 Walliat Leg—10" Teak		192-3401	Cabinet—Maple
	403-3641	Escutcheon—Mask		192-3411	Cabinet—Rosewood
	403-3621	Escutcheon—Control		192-3421	Cabinet—Teak
	403-3631	Escutcheon—Sound Outlet		192-3431	Cabinet—Walnut
	403-3651	Escutcheon—Channel Indicator		403-3641	Escutcheon—Mask
	517-2551	Knob—Channel Selector		403-3621	Escutcheon—Control
	517-2332	Knob—Fine Tuning		403-3631	Escutcheon—Sound Outlet
	517-2891	Knob—Front Controls		403-3651	Escutcheon—Channel Indicator
	561-2011	Medallion—"Oberon"		517-2551	Knob—Channel Selector
	561-1981	Medallion—Inlay		517-2332	Knob—Fine Tuning
	561-1431	Medallion—Trade Mark		517-2891	Knob-Front Controls
	831-1822	Speaker—15 ohms VC, 4 x 7	*	518-5491	Remote Control Handpiece
		CON-101 AC-102 October 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			(complete)
		IMENSIONS — V6-9D		561-1431	Medallion—Trade Marrk
	Height	31" (including 10" legs)		561-1981	Medallion—Inlay
	Depth	291"		561-2001	Medallion—"Warwick"
2002	Width	16''	*	561-2021	Medallion—"Automatic"
Weight				831-2421	Speaker—30 ohms VC, 5"x7"
	Gross	100 lbs.	CA	RINET DIME	ENSIONS — V6-BJ, V7-BJ
	Nett	82 lbs.		Height	30" (including 9" legs)
	MODEL	S V6-AM, V7-AM		Depth	16¾"
	192-3441	Cabinet—Maple		Width	39½"
	192-3451	Cabinet—Rosewood	Weight	V6-BJ:	372
	192-3461	Cabinet—Walnut	†	Gross	120½ lbs.
	192-3471	Cabinet—Teak	+	Nett	103½ lbs.
	403-3641	Escutcheon—Mask			3 5 7 2 1990
	403-3621	Escutcheon—Control	*	Gross	125½ lbs.
	403-3631	Escutcheon—Sound Outlets	*	Nett	108½ lbs.
		Stand Carlets	1	Hell	. 00 2 103.

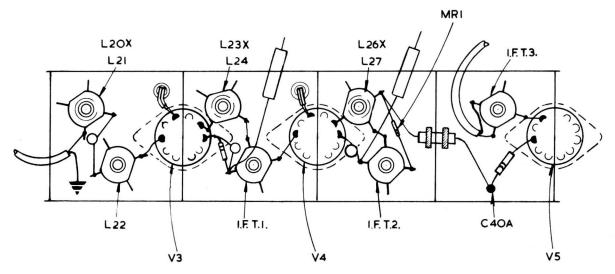
On early models tuner type NT3014 is used and the knob part numbers are listed in the above parts list. Later models use tuner type NT3016 and the different knob part numbers are as follows:

517-2981	Knob—Channel Indicator
517-2991	Knob Cover—Channel Indicator
517-3001	Knob—Fine Tuning

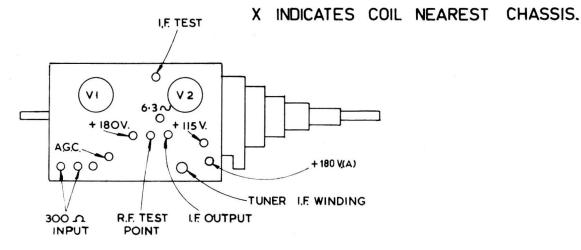
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Printers
MARRICKVILLE, N.S.W.

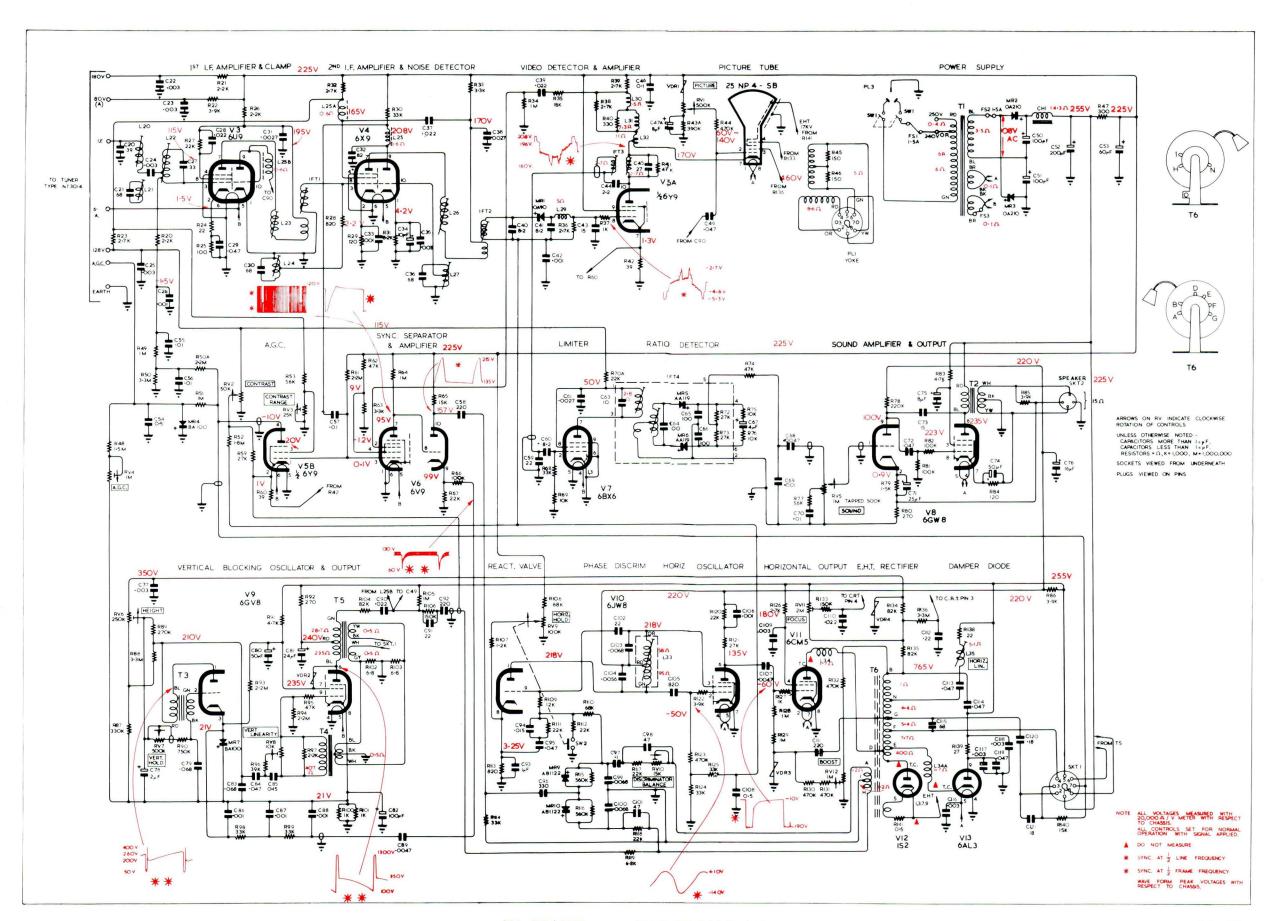


TUNER TYPE 3014 AND 3016

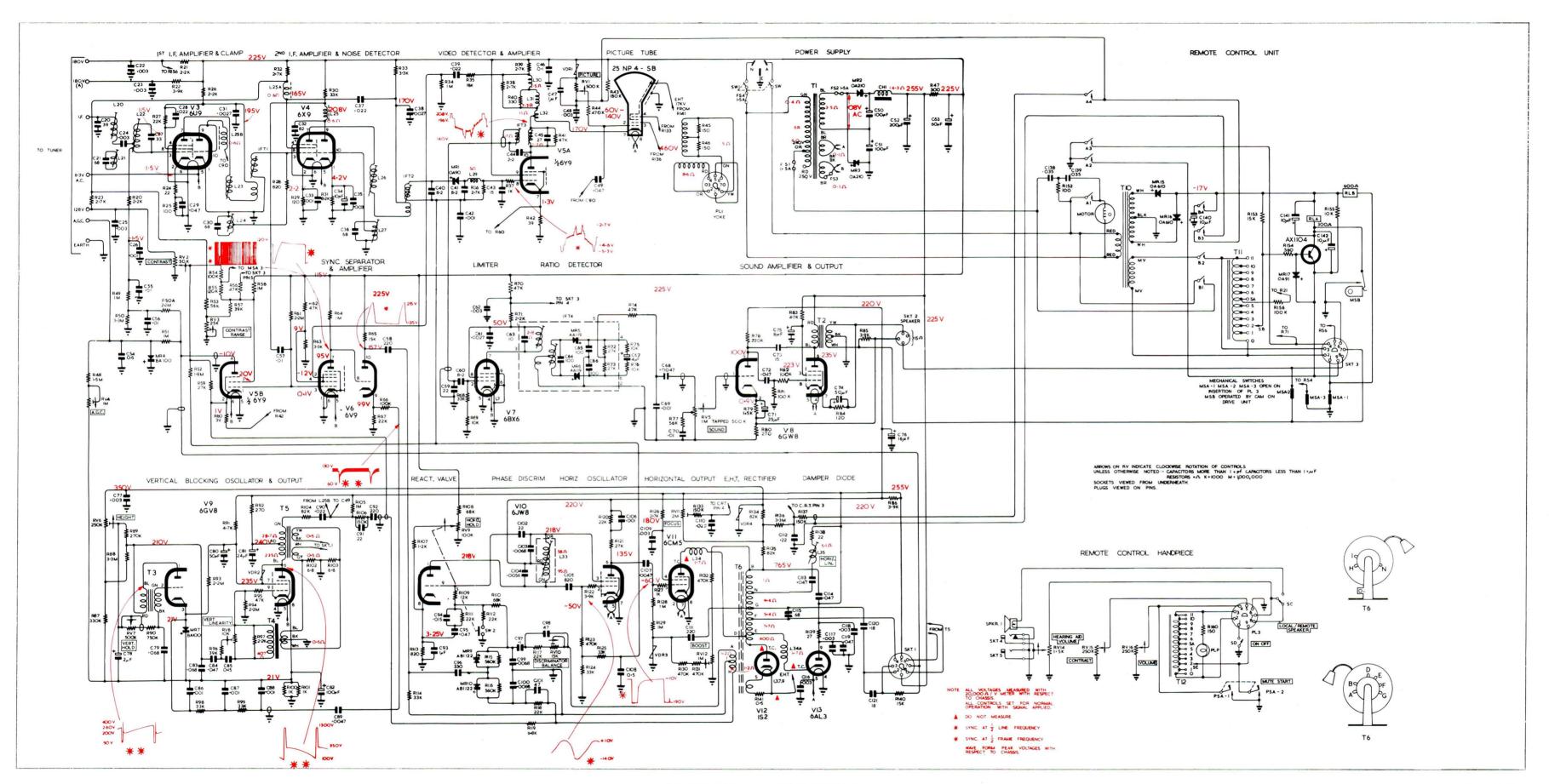


LOCATION OF COILS FROM UNDERSIDE OF CHASSIS.





V6 CHASSIS — CIRCUIT DIAGRAM



V7 CHASSIS — CIRCUIT DIAGRAM